

FIG. 1

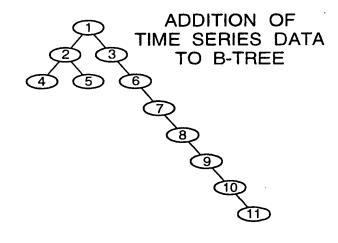
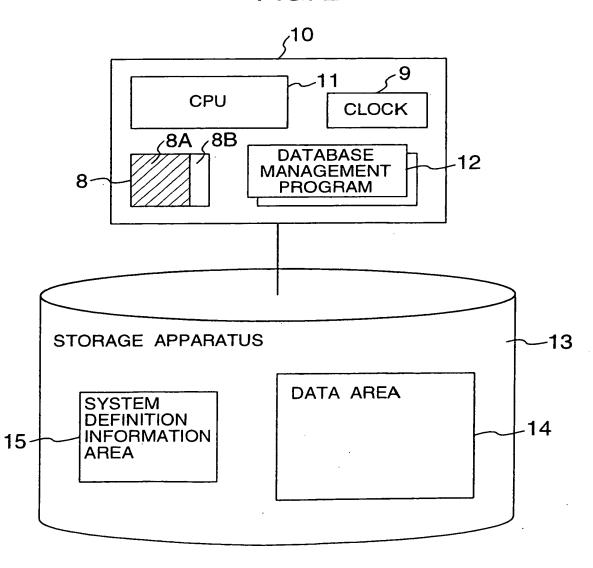


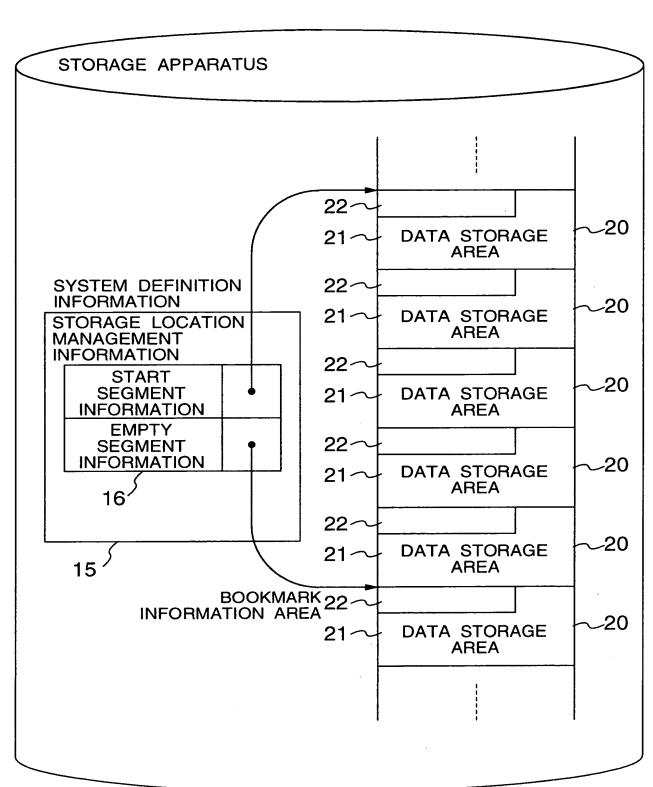
FIG. 2



APPROVED O.G. F

BY RPAFTSMAN

FIG. 3



O

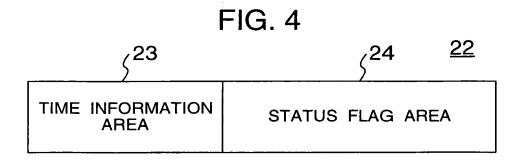


FIG. 6

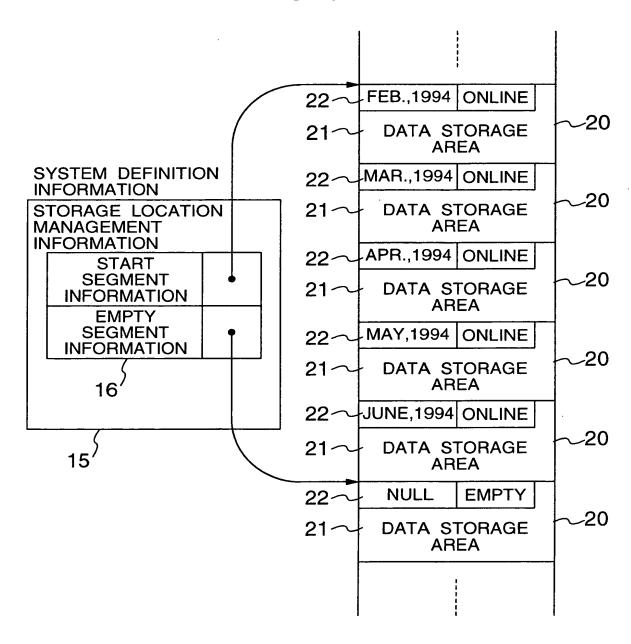


FIG. 5 START RETRIEVAL **PROCESSING** READ START SEGMENT 500 LOCATION FROM SYSTEM DEFINITION INFORMATION ACQUIRE TIME INFORMATION (t) 501 FROM BOOKMARK INFORMATION AREA 506 502 DATA TERMINATION **TERMINATION DECISION POINT** SUCCEEDING 503 **SEGUMENT** LOCATION YES t > MAY,1994NO 504 **YES** t < MAR.,1994 NO READ DATA FROM 505 DATA STORAGE AREA OF INTEREST **END** RETRIVAL **PROCESSING** 

B

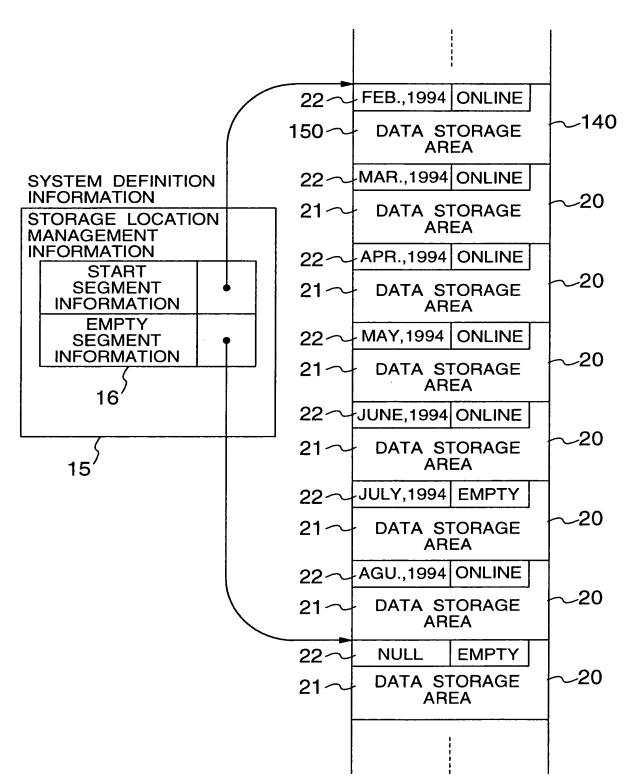
FIG. 7 START DATA LOAD PROCESSING READ EMPTY SEGMENT LOCATION FROM SYSTEM 600 **DEFINITION INFORMATION** 601 READ INPUT DATA 602 ABSENCE IS INPUT DATA PRESENT ? **PRESENCE** COLLECTIVELY WRITE DATA TO OBJECT SEBMENT -603 SET "ONLINE" IN STATUS 604 FLAG IN BOOKMARK INFORMATION AREA SET POINTER OF EMPTY SEGMENT INFORMATION IN -605 STORAGE LOCATION MANAGEMENT INFORMATION END DATA LOAD **PROCESSING** 

FIG. 8 APPROVED O.G. F.G. 22-FEB.,1994 ONLINE 20 DATA STORAGE 21-DARFISMAN SYSTEM DEFINITION **AREA** INFORMATION MAR.,1994 ONLINE 22-STORAGE LOCATION MANAGEMENT 20 DATA STORAGE 21-INFORMATION **AREA** START **SEGMENT** APR.,1994 ONLINE 22-**INFORMATION** -20 DATA STORAGE **EMPTY** 21-**AREA** SEGMENT INFORMATION MAY,1994 ONLINE 22-16 -20 DATA STORAGE 21-**AREA** 22-JUNE,1994 ONLINE 15<sup>/</sup> -20 DATA STORAGE 21-**AREA** JULY,1994 LOADING 22--20 DATA STORAGE 21-AREA **NULL EMPTY** 22--20 21-DATA STORAGE AREA

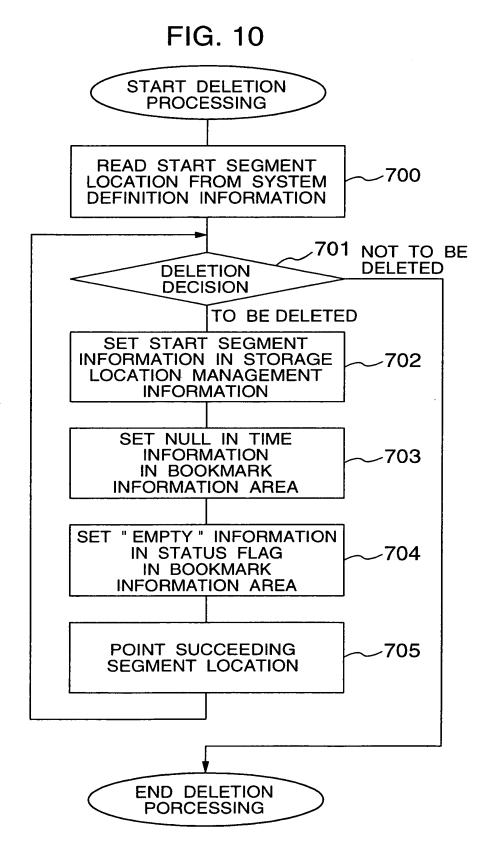
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APPROVED O.G. FIG.

FIG. 9



APPROVED O.G. FIG.
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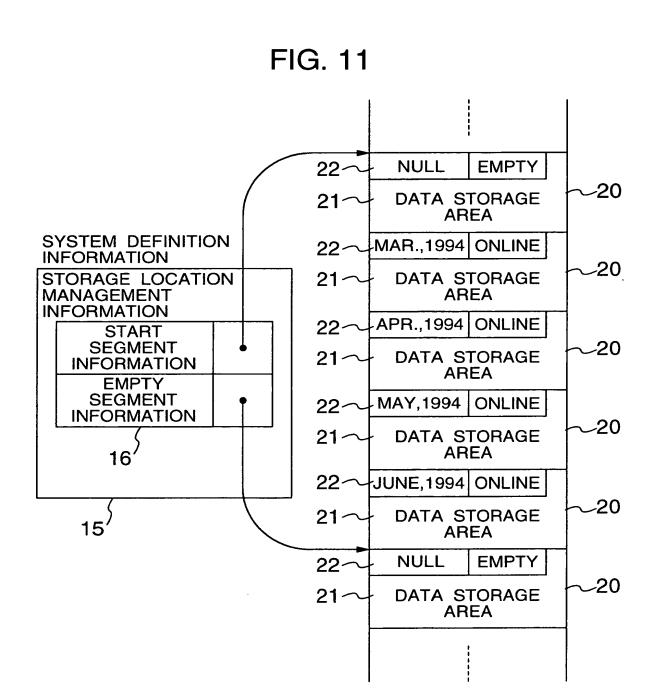


FIG. 12

